

ABSTRACT OF DISCLOSURE

A change log aggregation and optimization mechanism and methodology for updating and synchronizing application data and application files in a client device of a data transfer and synchronization system. The contents of a plurality of change logs reflecting the then current changes to the application data of the client device are downloaded and merged into an aggregate log. Instead of applying each change log as it is downloaded, the contents of the aggregate log, representing all changes to application data and/or application files recorded in prior change logs, are then applied to the client device to update application data and/or application files in the client device.